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FIGURE 1

Alpha globin sequence:

4 3	06	135	180	225	270	315	360	405	
3 3 3 3	G G	CAC	AAG Lys	GAC Asp	AAG Lys	CTG Lev	Ala Ala	GTG Vaí	
766 Trp	CTG	8 8	3 € 3 €	GAC Asp	E G	76C Cys	CCT Pro	1 A 2 E	
88 88 88	AB AB	TTC Phe	S ¥	GTG Val	Ala	CAC His	ACC	AGC	
GOC Ala	8 8	TAC	3 €	CAC	CAC	AGC Ser	TTC Phe	GTG Val	
AAG Lys	Ala	A F	AAG Lys	Ala Ala	CTG Lec	CTA	8 0 mg	TCT Ser	
GTC Vaf	द्धार द्धार	AAG Lys	GTT Val	GTG Val	CAC Asp	CTC Leu	Ala SS	GCT Ala	
AAC Asn	TAT	AQC TPT	වූ දි	Ala Ala	AGC Ser	AAG Lys	8 e	CTG Lev	
AQC Thr	8 8	A T	Aa Aa	AAC Asn	CTG Lee	TTC Phe	CTC Le	TTC Pie	,
AAG Lys	8 8 €	8 g	TCT Ser	1 A 2 E	Aga Aga	AAC Asn	CAC	AAG Lys	
GAC Asp	GCT Ala	TTC Phe	3 €	CTG Lec	TCC Ser	GTC Val	Ala A	GÁC Asp	CGT Arg
As SS	E S	TCC Ser	CAC His	Ag Ag	CTG Lec	a a	Ag Ag	CTG Lec	TAC
Pa Pa	88 88 88	CTG Let	AGC	GAC Asp	Ala Ala	GAC Asp	CTG Lev	TCC Ser	Lys AA
TCT Ser	8 €	Ple Ple	5 5 5	Aa Aa	AAC	GTG Val	A Th	AB AB	TCC Ser
CTG Lee	GTT Val	ATG Met	GAC.	GTG Val	9 e	Arg	GTG Val	CAC	1 A C T F T F T F T F T F T F T F T F T F T
GTG Val	AAG Lys	AGG Arg	TTC Pile	AAG Lys	ATG Met	CTT	CTG Leu	GTG Vaf	CTG Lee
-	9	16	136	181	226	271	316	361	408

FIGHRE 2

Beta globin sequence:

4 5	06	135	180	225	270	315	360	405	
100 Trp	AGG Arg	TTT Phe	GTG Val	CTG Leu	989 Glu	CTC	AAA Lys	GCT Ala	
CTG	8 € €	TCC Ser	AAG Lys	8 8 8€	AGT Ser	AGG Arg	သွ ဇွ်	GTG Val	
Ala SC	CTG Lev	Section 1	CCT Pro	GAT Asp	CTG Lev	TTC Phe	TTT Phe	GTG Val	
ACT Thr	Ala G	TTT Phe	AAC Asn	AGT Ser	ACA Thr	AAC Asn	CAC	AAA Lys	
GTT Val	686	T Pie	3 3 3 8	Phe Phe	Ala GC	GAG	CAT	ପ୍ର କ୍ର	CAC
Ala Ala	GGT Gly	AGG Arg	ATG Met	AB AB	TTT Phe	CCT Pro	Ala A	TAT	TAT Tyr
TCT Ser	GGT Gly	8 68	GTT Vai	GGT	AQC Th	GAT Asp	CTG Leu	Ala GC	AAG Lys
AAG Lys	GTT Val	1 A C T I	GCT Ala	CTC Lee	8 8 8 8	GTG Val	GTG Val	GCT Ala	CAC His
GAG Glu	GAA Gle	15G Trp	GAT Asp	GTG Val	AAG Lys	CAC His	TGT Cys	S S	88 8ª
Georgia Georgia	GAT Asp	CCT Pro	CCT Pro	AAA Lys	CTC Lee	CTG Lev	GTC Val	GTG Val	CTA Lee
C 전 P 2	GTG Val	TAC	ACT Thr	AAG Lys	AAC Asn	AAG Lys	CTG Lev	P cA	Ala Ala
ACT	AAC Asn	GTC Val	TCC Ser	88 85	GAC Asp	GAC Asp	GTG Val	P SS	AAT Asn
CTG Lee	GTG Val	GTT Val	CTG Lee	CAT	CTG Let	TGT Cys	AAC Asn	AC TP	GCT Ala
Sec Hs Cec	AAG Lys	CT Eg	GAT Asp	GCT Ala	SE Fis	CAC His	3 § 8	캶	GTG Val
GTG Vaf	8 8	CTG Fee	GG GG	AAG Lys	GCT Ala	CTG Leu	CTG Lev	S S	GGT Gly
· •	4 6	9 1	136	181	226	271	316	361	406

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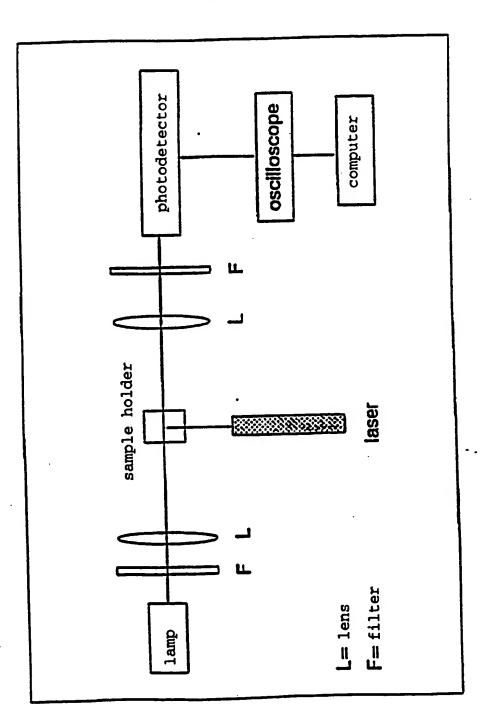
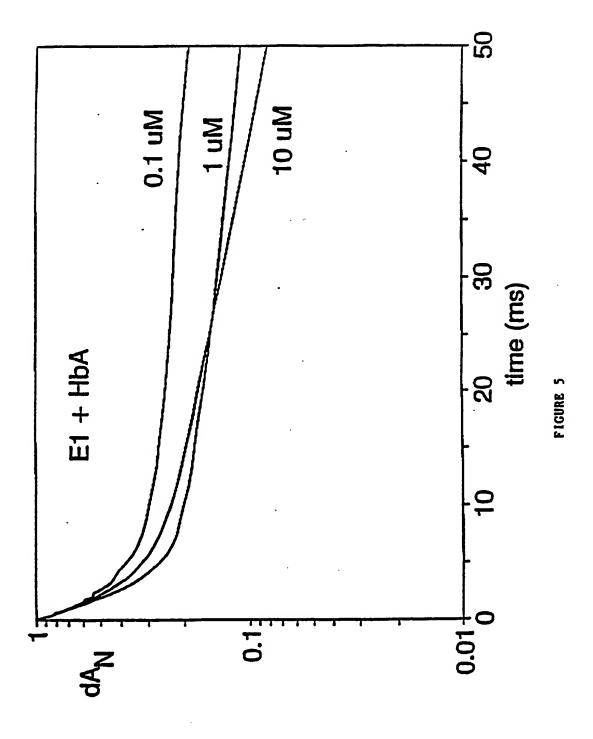
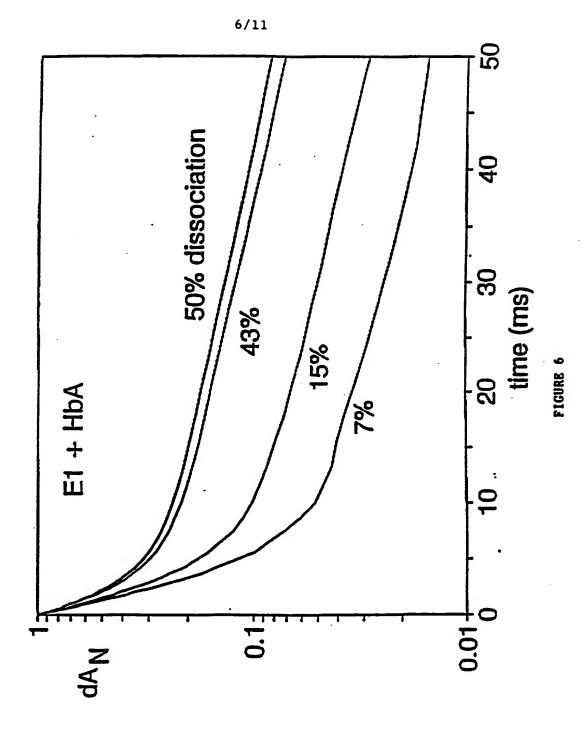


FIGURE 4





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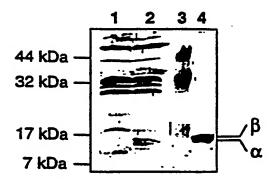


FIGURE 7

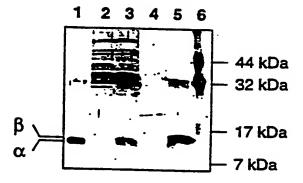


FIGURE 8

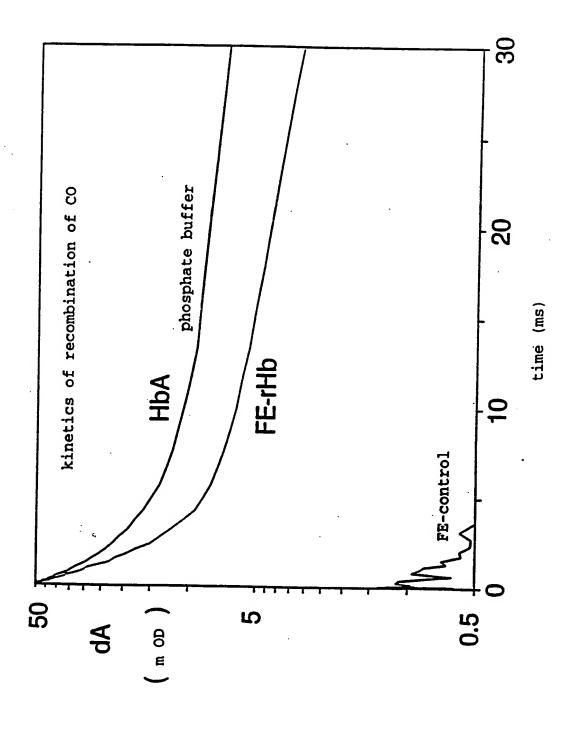


FIGURE 9

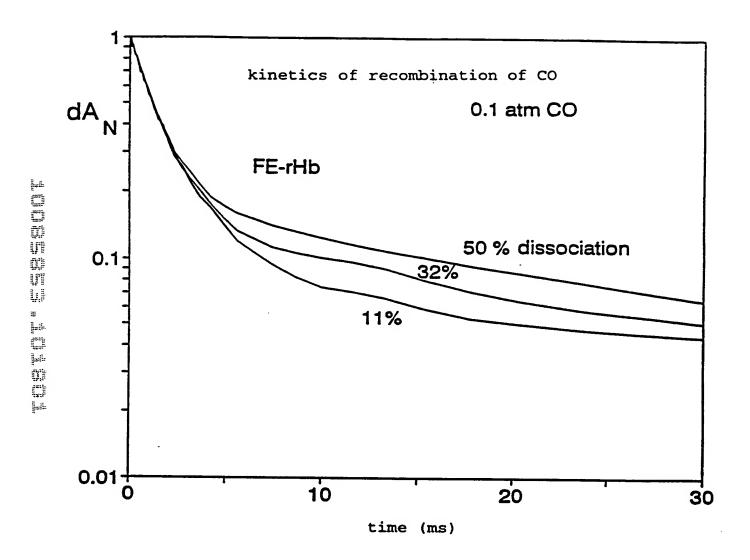


FIGURE 10

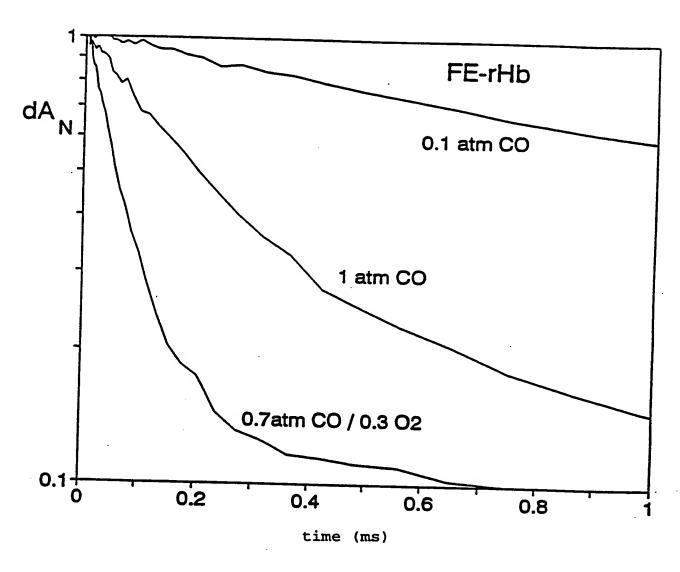


FIGURE 11